

Amendments to the Claims

The following listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

Claims 1-9 (canceled).

Claim 10 (currently amended): An apparatus for substantially closing a vascular opening in a vessel while permitting post operative blood flow through said vessel, which comprises:

a housing having proximal and distal ends, and a defining longitudinal axis;

at least two tissue engaging members disposed adjacent the distal end of the housing, said tissue engaging members being longitudinally movable relative to said housing between a retracted position and an advanced position in which the at least two tissue engaging members are at least partially exposed from the housing, the at least two tissue engaging members being adapted to cooperate to engage vascular tissue adjacent the vascular opening such that the vascular tissue is oriented in a predetermined orientation; and

at least two jaw members positioned adjacent said tissue engaging members and being movable independently thereof, said jaw members adapted for seizure of the vascular tissue in the predetermined orientation when in an open position of said jaw members, drawing together the vascular tissue during closing of said jaw

members, and rendering the vascular tissue in adjacent relation when in a closed position of said jaw members.

Claim 11 (previously presented): The apparatus of claim 10 wherein each of said tissue engaging members is composed, in whole or in part, of a shape member material such that each of said tissue engaging members is adapted to assume a normal unstressed condition upon deployment.

Claim 12 (previously presented): The apparatus of claim 11 wherein the each of said tissue engaging members includes a distal portion configured in a general hook or J-shaped configuration in the normal unstressed condition.

Claim 13 (previously presented): The apparatus of claim 12 including a deployment member connected to said tissue engaging members such that said tissue engaging members are manually deployable to move relative to the housing to engage the vascular tissue and orient the vascular tissue in the predetermined orientation.

Claim 14 (previously presented): The apparatus of claim 10 including an elongated shaft at least partially disposed in said housing.

Claim 15 (previously presented): The apparatus of claim 14 wherein said elongated shaft includes a longitudinal slot for accommodating said tissue engaging members.

Claim 16 (currently amended): The apparatus of claim ~~[[10]]~~ 14 wherein at least one of said jaw members includes an attachment member wherein said attachment member serves to adjoin the tissue adjacent said vascular opening.

Claim 17 (previously presented): The apparatus of claim 16 wherein said attachment member is conductive.

Claim 18 (previously presented): The apparatus of claim 17 wherein said attachment member is adapted to transmit thermal energy through application of an energy source thereto, thereby thermally fusing the vascular tissue surrounding the vascular opening.

Claim 19 (previously presented): The apparatus of claim 10 including a movable actuator connected to at least one of said jaw members such movement of said jaw members from said open position to said closed position corresponds with movement of said actuator.

Claim 20 (new): The apparatus of claim 19 further including a spring member in engagement with said actuator to bias said jaw members towards the closed position.

Claim 21 (new): The apparatus of claim 10 wherein the at least two tissue engaging members include a first tissue engaging member having a distal portion curving in a first direction and a second tissue engaging member having a distal portion curving in a second direction, the first direction being opposite the second direction.

Claim 22 (new): The apparatus of claim 10 wherein said tissue engaging members each include a sharpened extreme distal end, at least the extreme distal end being disposed within the housing when said tissue engaging members are in the retracted position.

Claim 23 (new): The apparatus of claim 22 wherein said tissue engaging members are entirely concealed within the housing when said tissue engaging members are in the retracted position.

Claim 24 (new): The apparatus of claim 16 wherein said attachment member is configured to be received by a recess formed on said elongated shaft to thereby define a reduced profile.

Claim 25 (New): An apparatus for substantially closing a vascular opening in a vessel while permitting post operative blood flow through said vessel, which comprises:

a housing defining a longitudinal axis;

a pair of tissue engaging members at least partially extending from the housing, the tissue engaging members being adapted to cooperate to engage vascular tissue adjacent the vascular opening and position the vascular tissue in a predetermined orientation; and

a pair of jaw members disposed adjacent the tissue engaging members, the jaw members adapted for seizure of the vascular tissue in the predetermined orientation when in an open position of the jaw members, drawing together the vascular tissue during closing of the jaw members, and rendering the vascular tissue in adjacent relation when in a closed position of the jaw members, the jaw members movable independent of the tissue engaging members.

Claim 26 (New): The apparatus of claim 25 including a manually operative deployment member connected to the tissue engaging members, the manually operative deployment member movable to deploy the tissue engaging members to whereby the tissue engaging members engage and position the vascular tissue in the predetermined orientation.

Claim 27 (New): The apparatus of claim 26 wherein the tissue engaging members are adapted for movement in an at least radial outward direction relative to the longitudinal axis of the housing upon movement of the deployment member.

Claim 28 (New): The apparatus of claim 27 wherein the tissue engaging members are further adapted for longitudinal movement from a retracted position to an

advanced position to engage and orient the vascular tissue in the predetermined orientation.